

STN SEARCH

#10/637,159

3/8/2007

=> index bioscience medicine

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 11:10:30 ON 09 MAR 2007

71 FILES IN THE FILE LIST IN STNINDEX

=> S ((methylmalonyl-CoA (w) mutase)or (methylmalonyl (w) carbonylmutase))

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1.1 QUE ((METHYLMALONYL-COA (W) MUTASE) OR (METHYLMALONYL (W) CARBONYLMUTASE))

=> d rank

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F5 353 BIOSIS  
F6 272 EMBASE  
F7 173 PASCAL  
F8 149 ESBIOBASE  
F9 140 USPATFULL  
F10 129 TOXCENTER  
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F12 103 LIFESCI  
 F13 63 CABA  
 F14 38 JICST-EPLUS  
 F15 27 DDFB  
 F16 27 DISSABS  
 F17 27 DRUGB  
 F18 26 AGRICOLA  
 F19 26 BIOTECHABS  
 F20 26 BIOTECHDS

=> file f2-f12

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FILE 'LIFESCI' ENTERED AT 11:12:23 ON 09 MAR 2007  
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=> S L1

L2 2824 L1

=> S (inhibit? or reduc? or decreas? or alter?) (s) L2

6 FILES SEARCHED...

7 FILES SEARCHED...

L3 516 (INHIBIT? OR REDUC? OR DECREAS? OR ALTER?) (S) L2

=> S (cobAB or CobA or methyltransferase)(s) L3

L4 36 (COBAB OR COBA OR METHYLTRANSFERASE)(S) L3

=> S (compound or agent or immunosuppressant or antifungal or antiparasitic or antibiotic or polyketide) (s) L4

L5 2 (COMPOUND OR AGENT OR IMMUNOSUPPRESSANT OR ANTIFUNGAL OR ANTIPARASITIC OR ANTIBIOTIC OR POLYKETIDE) (S) L4

=> S (b12 or cobalamine) (s) L4

L6 2 (B12 OR COBALAMINE) (S) L4

=> S (b12 or cobalamine) and L4

L7 17 (B12 OR COBALAMINE) AND L4

=> dup rem L7  
PROCESSING COMPLETED FOR L7  
L8 14 DUP REM L7 (3 DUPLICATES REMOVED)

=> d ibib abs L8 1-14

L8 ANSWER 1 OF 14 USPATFULL on STN  
ACCESSION NUMBER: 2007:30123 USPATFULL <<LOGINID::20070309>>  
TITLE: Detection of variations in the dna methylation profile  
INVENTOR(S): Berlin, Kurt, Stahnsdorf, GERMANY, FEDERAL REPUBLIC OF  
Piepenbrock, Christian, Berlin, GERMANY, FEDERAL  
REPUBLIC OF  
Olek, Alexander, Berlin, GERMANY, FEDERAL REPUBLIC OF

NUMBER KIND DATE

-----  
PATENT INFORMATION: US 2007026393 AI 20070201  
APPLICATION INFO.: US 2001-240970 AI 20010406 (10)  
WO 2001-DE1486 20010406  
20030711 PCT 371 date

NUMBER DATE

-----  
PRIORITY INFORMATION: DE 2000-100190588 20000406  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Kriegsman & Kriegsman, 665 Franklin Street, Framingham,  
MA, 01702, US  
NUMBER OF CLAIMS: 28  
EXEMPLARY CLAIM: 1  
LINE COUNT: 16100

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention describes a set of oligonucleotides as probes for the  
detection of relevant variations of DNA methylation in a target group of  
genes, the use thereof for the detection of gene variants with respect  
to DNA methylation, a medical device which uses a set of  
oligonucleotides, a method for investigating the methylation state of an  
individual as well as a method for creating a model for evaluating the  
probability of occurrence of a health problem of an individual. Such  
disorders can be: undesired drug interactions cancer diseases CNS  
malfunctions, damage or disease symptoms of aggression or behavioral  
disturbances clinical, psychological and social consequences of brain  
lesions psychotic disturbances and personality disorders dementia and/or  
associated syndromes cardiovascular disorder, malfunction and damage  
malfunction, damage or disorder of the gastrointestinal tract  
malfunction, damage or disorder of the respiratory system lesion,  
inflammation, infection, immunity and/or convalescence malfunction,  
damage or disease of the body as an abnormality in the development  
process malfunction, damage or disorder of the skin, the muscles, the  
connective tissue or the bones endocrine and metabolic malfunction,  
damage or disorder headaches or sexual malfunction.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 2 OF 14 USPATFULL on STN  
ACCESSION NUMBER: 2006:275161 USPATFULL <<LOGINID::20070309>>  
TITLE: Process of increasing cellular production of  
biologically active compounds  
INVENTOR(S): Weber, J. Mark, Chicago, IL, UNITED STATES  
Reeves, Andrew R., Chicago, IL, UNITED STATES  
Brikun, Igor A., Forest Park, IL, UNITED STATES  
Cernota, William Henry, Chicago, IL, UNITED STATES  
PATENT ASSIGNEE(S): Fermalogic, Inc., Chicago, IL, UNITED STATES, 60612  
(U.S. corporation)

NUMBER KIND DATE

-----  
PATENT INFORMATION: US 2006234958 AI 20061019  
APPLICATION INFO.: US 2003-637159 AI 20030808 (10)  
DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: DYKEMA GOSSETT PLLC, 10 S. WACKER DR., STE. 2300,  
CHICAGO, IL, 60606, US  
NUMBER OF CLAIMS: 34  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 5 Drawing Page(s)  
LINE COUNT: 1647  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB A process of increasing the cellular production of biologically active  
compounds is provided. The process is particularly useful for increasing  
antibiotic production by bacterial cells. The process includes the step  
of inhibiting the activity of methylmalonyl-CoA mutase.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 3 OF 14 USPATFULL on STN  
ACCESSION NUMBER: 2005:250255 USPATFULL <<LOGINID::20070309>>  
TITLE: Methods and compositions for inhibition of membrane  
fusion-associated events, including HIV transmission  
INVENTOR(S): Barney, Shawn O'Lin, Cary, NC, UNITED STATES  
Lambert, Dennis Michael, Cary, NC, UNITED STATES  
Petteway, Stephen Robert, Cary, NC, UNITED STATES  
PATENT ASSIGNEE(S): Trimeris, Inc., Durham, NC, UNITED STATES (U.S.  
corporation)

NUMBER KIND DATE

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PATENT INFORMATION: US 6951717 BI 20051004  
APPLICATION INFO.: US 1995-484741 19950607 (8)  
RELATED APPLN. INFO.: Division of Ser. No. US 1995-470896, filed on 6 Jun  
1995, PENDING Continuation-in-part of Ser. No. US  
1994-360107, filed on 20 Dec 1994, Pat. No. US 6017536  
Continuation-in-part of Ser. No. US 1994-255208, filed  
on 7 Jun 1994, PENDING Continuation-in-part of Ser. No.  
US 1993-73028, filed on 7 Jun 1993, Pat. No. US 5464933  
DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Scheiner, Laurie  
ASSISTANT EXAMINER: Parkin, Jeffrey S.  
LEGAL REPRESENTATIVE: Pennie & Edmonds LLP  
NUMBER OF CLAIMS: 50  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 94 Drawing Figure(s); 93 Drawing Page(s)  
LINE COUNT: 43743

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Parainfluenza virus types 1 to 4 (PIV1 to PIV4) are important human  
pathogens that cause upper and lower respiratory tract infections,  
particularly in infants and children. The claimed invention is directed  
toward novel methods for the inhibition of parainfluenza virus  
transmission to a cell involving the administration of synthetic peptide  
fusion inhibitors. These inhibitors are derived from the parainfluenza  
virus and vary in length between 16 to 39 amino acids. The peptides were  
identified by screening for the presence of fusion inhibitory motifs  
(e.g., ALLMOTIS, 107x178x4, and PLZIP) within the parainfluenza virus  
genome. A number of peptides were identified and their fusion inhibitory  
activities ascertained. These peptides should provide useful antiviral  
agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 4 OF 14 USPATFULL on STN  
ACCESSION NUMBER: 2004:300221 USPATFULL <<LOGINID::20070309>>  
TITLE: Translational profiling  
INVENTOR(S): Chiczy, Roman M., Belmont, MA, UNITED STATES  
Tomlinson, Andrew J., Wayland, MA, UNITED STATES  
Urban, Robert G., Lexington, MA, UNITED STATES

NUMBER KIND DATE

-----  
PATENT INFORMATION: US 2004236091 AI 20041125

APPLICATION INFO.: US 2004-473127 AI 20040617 (10)  
WO 2002-US9671 20020328

NUMBER DATE

PRIORITY INFORMATION: US 2001-60279495 20010328

US 2001-60292544 20010521

US 2001-60310801 20010808

US 2001-60326370 20011001

US 2001-60336780 20011204

US 2002-60358985 20020220

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: FISH & RICHARDSON PC, 225 FRANKLIN ST, BOSTON, MA,  
02110

NUMBER OF CLAIMS: 42

EXEMPLARY CLAIM: 1

LINE COUNT: 4964

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Polypeptides representative of proteins expressed by a given cell type and isolated nucleic acids that encode the polypeptides are disclosed. The compositions and method described can be used to define a cell type at a given developmental, metabolic, or disease stage by identifying and cataloging proteins expressed in the cell. The compositions can also be used in the manufacture of therapeutics as well as in diagnostics and drug screening.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 5 OF 14 USPATFULL on STN

ACCESSION NUMBER: 2004:69593 USPATFULL <<LOGINID::20070309>>

TITLE: Fusion proteins comprising DP-178 and other viral fusion inhibitor peptides useful for treating aids

INVENTOR(S): Bolognesi, Dani Paul, Durham, NC, UNITED STATES

Matthews, Thomas James, Durham, NC, UNITED STATES

Wild, Carl T., Durham, NC, UNITED STATES

Barney, Shawn O'apos, Lin, Cary, NC, UNITED STATES

Lambert, Dennis Michael, Cary, NC, UNITED STATES

Petteway, Stephen Robert, Cary, NC, UNITED STATES

Langlois, Alphonse J., Durham, NC, UNITED STATES

PATENT ASSIGNEE(S): Duke University (U.S. corporation)

Trimeris, Inc. (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 2004052820 AI 20040318

US 7122190 B2 20061017

APPLICATION INFO.: US 2002-267748 AI 20021008 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1995-484223, filed on 7 Jun

1995, PENDING Division of Ser. No. US 1995-470896,

filed on 6 Jun 1995, GRANTED, Pat. No. US 6479055

Continuation-in-part of Ser. No. US 1994-360107, filed

on 20 Dec 1994, GRANTED, Pat. No. US 6017536

Continuation-in-part of Ser. No. US 1994-255208, filed

on 7 Jun 1994, GRANTED, Pat. No. US 6440656

Continuation-in-part of Ser. No. US 1993-73028, filed

on 7 Jun 1993, GRANTED, Pat. No. US 5464933

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW  
YORK, NY, 100362711

NUMBER OF CLAIMS: 15

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 83 Drawing Page(s)

LINE COUNT: 40442

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to peptides which exhibit potent anti-retroviral activity. The peptides of the invention comprise DP178 (SEQ ID:1) peptide corresponding to amino acids 638 to 673 of the HIV-1.sub.LAI gp41 protein, and fragments, analogs and homologs of

DP178. The invention further relates to the uses of such peptides as inhibitory of human and non-human retroviral, especially HIV, transmission to uninfected cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 14 USPATFULL on STN

ACCESSION NUMBER: 2004:44245 USPATFULL <<LOGINID::20070309>>

TITLE: Nucleic acids encoding DP-178 and other viral fusion inhibitor peptides useful for treating aids

INVENTOR(S): Bolognesi, Dani Paul, Durham, NC, UNITED STATES

Matthews, Thomas James, Durham, NC, UNITED STATES

Wild, Carl T., Durham, NC, UNITED STATES

PATENT ASSIGNEE(S): Duke University (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 2004033235 AI 20040219

APPLICATION INFO.: US 2003-267682 AI 20030106 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1995-484223, filed on 7 Jun 1995, PENDING Division of Ser. No. US 1995-470896, filed on 6 Jun 1995, GRANTED, Pat. No. US 6479055  
Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994, GRANTED, Pat. No. US 6017536  
Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994, GRANTED, Pat. No. US 6440656  
Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, GRANTED, Pat. No. US 5464933

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711

NUMBER OF CLAIMS: 15

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 63 Drawing Page(s)

LINE COUNT: 59510

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to peptides which exhibit potent anti-retroviral activity. The peptides of the invention comprise DP178 (SEQ ID:1) peptide corresponding to amino acids 638 to 673 of the HIV-1.sub.LA1 gp41 protein, and fragments, analogs and homologs of DP178. The invention further relates to the uses of such peptides as inhibitory of human and non-human retroviral, especially HIV, transmission to uninfected cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 7 OF 14 USPATFULL on STN

ACCESSION NUMBER: 2004:301902 USPATFULL <<LOGINID::20070309>>

TITLE: Methods for inhibition of membrane fusion-associated events, including HIV transmission

INVENTOR(S): Bolognesi, Dani Paul, Durham, NC, United States

Matthews, Thomas James, Durham, NC, United States

Wild, Carl T., Durham, NC, United States

PATENT ASSIGNEE(S): Duke University, Durham, NC, United States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 6824783 B1 20041130

APPLICATION INFO.: US 1995-487266 19950607 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1995-470896, filed on 6 Jun 1995, now patented, Pat. No. US 6479055  
Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994, now patented, Pat. No. US 6017536  
Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994, now patented, Pat. No. US 5440656  
Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933

DOCUMENT TYPE: Utility

FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Housel, James  
ASSISTANT EXAMINER: Parkin, Jeffrey S.  
LEGAL REPRESENTATIVE: Pennie & Edmonds LLP  
NUMBER OF CLAIMS: 118  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 84 Drawing Figure(s); 83 Drawing Page(s)  
LINE COUNT: 25013  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to peptides which exhibit potent anti-retroviral activity. The peptides of the invention comprise DP178 (SEQ ID:1) peptide corresponding to amino acids 638 to 673 of the HIV-1.sub.LAI gp41 protein, and fragments, analogs and homologs of DP178. The invention further relates to the uses of such peptides as inhibitory of human and non-human retroviral, especially HIV, transmission to uninfected cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 8 OF 14 USPATFULL on STN  
ACCESSION NUMBER: 2003:282627 USPATFULL <<LOGINID::20070309>>  
TITLE: Genostics  
INVENTOR(S): Roberts, Gareth Wyn, Cambs, UNITED KINGDOM  
PATENT ASSIGNEE(S): GENOSTIC PHARMA LIMITED (non-U.S. corporation)

NUMBER KIND DATE

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PATENT INFORMATION: US 2003198970 AI 20031023  
APPLICATION INFO.: US 2002-206568 AI 20020729 (10)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 1999-325123, filed on 3 Jun 1999, ABANDONED

NUMBER DATE

-----  
PRIORITY INFORMATION: GB 1998-12098 19980606  
GB 1998-28289 19981223  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP,  
1300 I STREET, NW, WASHINGTON, DC, 20005  
NUMBER OF CLAIMS: 34  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Page(s)  
LINE COUNT: 4299  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB People vary enormously in their response to disease and the also in their response to therapeutic interventions aimed at ameliorating the disease process and progression. However, the provision of medical care and medical management is centered around observations and protocols developed in clinical trials on groups or cohorts of patients. This group data is used to derive a standardised method of treatment which is subsequently applied on an individual basis. There is considerable evidence that a significant factor underlying the individual variability in response to disease, therapy and prognosis lies in a person's genetic make-up. There have been numerous examples relating that polymorphisms within a given gene can alter the functionality of the protein encoded by that gene thus leading to a variable physiological response. In order to bring about the integration of genomics into medical practice and enable design and building of a technology platform which will enable the everyday practice of molecular medicine a way must be invented for the DNA sequence data to be aligned with the identification of genes central to the induction, development, progression and outcome of disease or physiological states of interest. According to the invention, the number of genes and their configurations (mutations and polymorphisms) needed to be identified in order to provide critical clinical information concerning individual prognosis is considerably less than the 100,000 thought to comprise the human genome. The identification of the identity of the core group of genes enables the invention of a design for genetic profiling technologies which comprises of the identification of the core group of genes and their sequence

variants required to provide a broad base of clinical prognostic information--'genostics'. The "Genostic<sup>TM</sup>" profiling of patients and persons will radically enhance the ability of clinicians, healthcare professionals and other parties to plan and manage healthcare provision and the targeting of appropriate healthcare resources to those deemed most in need. The use of our invention could also lead to a host of new applications for such profiling technologies, such as identification of persons with particular work or environment related risk, selection of applicants for employment, training or specific opportunities or for the enhancing the planning and organisation of health services, education services and social services.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 9 OF 14 USPATFULL on STN

ACCESSION NUMBER: 2003:127846 USPATFULL <<LOGINID::20070309>>

TITLE: Materials and methods to modulate ligand  
binding/enzymatic activity of alpha/beta proteins  
containing an allosteric regulatory site

INVENTOR(S): Staunton, Donald E., Kirkland, WA, UNITED STATES

NUMBER KIND DATE

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PATENT INFORMATION: US 2003088061 A1 20030508  
APPLICATION INFO.: US 2001-976935 A1 20011012 (9)

NUMBER DATE

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PRIORITY INFORMATION: US 2000-239750P 20001012 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: MARSHALL, GERSTEIN & BORUN, 6300 SEARS TOWER, 233 SOUTH  
WACKER, CHICAGO, IL, 60606-6357  
NUMBER OF CLAIMS: 49  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 1 Drawing Page(s)  
LINE COUNT: 4441

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods of modulating binding between an alpha./beta. protein and a  
binding partner are provided, along with methods of identifying  
modulators and their use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 10 OF 14 USPATFULL on STN

ACCESSION NUMBER: 2003:40533 USPATFULL <<LOGINID::20070309>>

TITLE: Methods for the inhibition of epstein-barr virus  
transmission employing anti-viral peptides capable of  
abrogating viral fusion and transmission

INVENTOR(S): Barney, Shawn O'Lin, Cary, NC, United States  
Lambert, Dennis Michael, Cary, NC, United States  
Petteway, Stephen Robert, Cary, NC, United States

PATENT ASSIGNEE(S): Trimeris, Inc., Durham, NC, United States (U.S.  
corporation)

NUMBER KIND DATE

-----  
PATENT INFORMATION: US 6518013 B1 20030211  
APPLICATION INFO.: US 1995-485546 19950607 (8)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1994-360107, filed  
on 20 Dec 1994, now patented, Pat. No. US 6017536  
Continuation-in-part of Ser. No. US 1994-255208, filed  
on 7 Jun 1994 Continuation-in-part of Ser. No. US  
1993-73028, filed on 7 Jun 1993, now patented, Pat. No.  
US 5464933

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Scheiner, Laurie  
ASSISTANT EXAMINER: Parkin, Jeffrey S.  
LEGAL REPRESENTATIVE: Pennie & Edmonds LLP, Nelson, M. Bud

NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 84 Drawing Figure(s); 83 Drawing Page(s)  
LINE COUNT: 24700

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Fusion of the viral envelope, or infected cell membranes with uninfected cell membranes, is an essential step in the viral life cycle. Recent studies involving the human immunodeficiency virus type 1 (HIV-1) demonstrated that synthetic peptides (designated DP-107 and DP-178) derived from potential helical regions of the transmembrane (TM) protein, gp41, were potent inhibitors of viral fusion and infection. A computerized antiviral searching technology (C.A.S.T.) that detects related structural motifs (e.g., ALLMOT1 5, 107.times.178.times.4, and PLZIP) in other viral proteins was employed to identify similar regions in the Epstein-Barr virus (EBV). Several conserved heptad repeat domains that are predicted to form coiled-coil structures with antiviral activity were identified in the EBV genome. Synthetic peptides of 16 to 39 amino acids derived from these regions were prepared and their antiviral activities assessed in a suitable in vitro screening assay. These peptides proved to be potent inhibitors of EBV fusion. Based upon their structural and functional equivalence to the known HIV-1 inhibitors DP-107 and DP-178, these peptides should provide a novel approach to the development of targeted therapies for the treatment of EBV infections.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 11 OF 14 USPATFULL on STN

ACCESSION NUMBER: 2002:297296 USPATFULL <<LOGINID::20070309>>

TITLE: Methods for inhibition of membrane fusion-associated events, including respiratory syncytial virus transmission

INVENTOR(S): Bolognesi, Dani Paul, Durham, NC, United States  
Matthews, Thomas James, Durham, NC, United States  
Wild, Carl T., Durham, NC, United States  
Barney, Shawn O'Lin, Cary, NC, United States  
Lambert, Dennis Michael, Cary, NC, United States  
Petteway, Stephen Robert, Cary, NC, United States  
Langlois, Alphonse J., Durham, NC, United States

PATENT ASSIGNEE(S): Trimeris, Inc., Durham, NC, United States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 6479055 B1 20021112  
APPLICATION INFO.: US 1995-470896 19950606 (8)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994, now patented, Pat. No. US 6017536  
Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994  
Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Stucker, Jeffrey  
LEGAL REPRESENTATIVE: Pennic & Edmonds LLP  
NUMBER OF CLAIMS: 44  
EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 84 Drawing Figure(s); 83 Drawing Page(s)  
LINE COUNT: 26553

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to peptides which exhibit potent anti-viral activity. In particular, the invention relates to methods of using such peptides as inhibitory of respiratory syncytial virus ("RSV") transmission to uninfected cells. The peptides used in the methods of the invention are homologs of the DP-178 and DP-107 peptides, peptides corresponding to amino acid residues 638 to 673, and to amino acid residues 558 to 595, respectively, of the HIV-1 sub.LA1 transmembrane protein (TM) gp41.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 12 OF 14 USPATFULL on STN

ACCESSION NUMBER: 2001:67794 USPATFULL <<LOGINID::20070309>>

TITLE: Human respiratory syncytial virus peptides with  
antifusogenic and antiviral activities

INVENTOR(S): Barney, Shawn O'Lin, Cary, NC, United States  
Lambert, Dennis Michael, Cary, NC, United States  
Petteway, Stephen Robert, Cary, NC, United States

PATENT ASSIGNEE(S): Trimeris, Inc., Durham, NC, United States (U.S.  
corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 6228983 BI 20010508

APPLICATION INFO.: US 1995-485264 19950607 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1995-470896, filed on 6 Jun  
1995 Continuation-in-part of Ser. No. US 1994-360107,  
filed on 20 Dec 1994 Continuation-in-part of Ser. No.  
US 1994-255208, filed on 7 Jun 1994  
Continuation-in-part of Ser. No. US 1993-73028, filed  
on 7 Jun 1993, now patented, Pat. No. US 5464933

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Scheiner, Laurie

ASSISTANT EXAMINER: Parkin, Jeffrey S.

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NUMBER OF CLAIMS: 62

EXEMPLARY CLAIM: I

NUMBER OF DRAWINGS: 84 Drawing Figure(s); 83 Drawing Page(s)

LINE COUNT: 32166

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to peptides which exhibit antifusogenic  
and antiviral activities. The peptides of the invention consist of a 16  
to 39 amino acid region of a human respiratory syncytial virus protein.  
These regions were identified through computer algorithms capable of  
recognizing the ALLMOT15, 107x178x4, or PLZIP amino acid motifs. These  
motifs are associated with the antifusogenic and antiviral activities of  
the claimed peptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 13 OF 14 MEDLINE on STN DUPLICATE 1

ACCESSION NUMBER: 1999327291 MEDLINE <<LOGINID::20070309>>

DOCUMENT NUMBER: PubMed ID: 10399092

TITLE: Progressive neurological deterioration and MRI changes in  
cblC methylmalonic acidemia treated with hydroxocobalamin.

AUTHOR: Enns G M; Barkovich A J; Rosenblatt D S; Fredrick D R;  
Weisiger K; Ohnstad C; Packman S

CORPORATE SOURCE: Department of Pediatrics, University of California, San  
Francisco 94143-0748, USA.

CONTRACT NUMBER: GM 07085 (NIGMS)  
MO1RR01271 (NCRR)

SOURCE: Journal of inherited metabolic disease, (1999 Jun) Vol. 22,  
No. 5, pp. 599-607.

Journal code: 7910918. ISSN: 0141-8955.

PUB. COUNTRY: Netherlands

DOCUMENT TYPE: (CASE REPORTS)  
Journal; Article; (JOURNAL ARTICLE)  
(RESEARCH SUPPORT, NON-U.S. GOV'T)  
(RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199909

ENTRY DATE: Entered STN: 21 Sep 1999

Last Updated on STN: 21 Sep 1999

Entered Medline: 9 Sep 1999

AB Cobalamin C (cblC) defects result in \*\*\*decreased\*\*\* activity of both  
\*\*\*methylmalonyl\*\*\* - \*\*\*CoA\*\*\* \*\*\*mutase\*\*\* and  
N5-methyltetrahydrofolate:homocysteine \*\*\*methyltransferase\*\*\*

(methionine synthase), with subsequent methylmalonic acid-uria and homocystinuria. Patients typically show failure to thrive, developmental delay and megaloblastic anaemia. Vitamin \*\*\*B12\*\*\* therapy has been beneficial in some cases. We report a now 4-year-old Hispanic girl with cblC disease documented by complementation analysis, with progressive neurological deterioration and worsening head MRI changes while on intramuscular hydroxocobalamin begun at age 3 weeks. Oral carnitine and folic acid were added at age 1 year. Blood levels of methylmalonic acid were reduced to treatment ranges. In the absence of acute metabolic crises, she developed microcephaly, progressive hypotonia and decreased interactivity. Funduscopy examination was normal at age 13 months. At age 19 months, she developed nystagmus, and darkly pigmented fundi and sclerotic retinal vessels were observed on examination. Her neonatal head MRI was normal. By age 1 year, the MRI showed diffuse white-matter loss with secondary third and lateral ventricle enlargement, a thin corpus callosum, and normal basal ganglia. At age 15 months, progression of the white-matter loss, as well as hyperintense globi pallidi, were present. Interval progression of both grey- and white-matter loss was seen at age 27 months. We therefore caution that progressive neurological deterioration and head MRI abnormalities may still occur in cblC disease, despite early initiation of hydroxocobalamin therapy and improvement in toxic metabolite concentrations in physiological fluids.

L8 ANSWER 14 OF 14 PASCAL COPYRIGHT 2007 INIST-CNRS. ALL RIGHTS RESERVED.  
on STN

ACCESSION NUMBER: 1993-0553479 PASCAL <<LOGINID::20070309>>

TITLE (IN ENGLISH): Cerebrospinal fluid homocysteine and the cobalamin status of the brain

'Inherited metabolic disease and the brain'

AUTHOR: BLOM H. J.; WEVERS R. A.; VERRIPS A.; TEPOELE-PHOTOFF  
M. T. W. B.; TRIJBELS J. M. F.

CORPORATE SOURCE: Univ. hosp. Nijmegen, dep. pediatrics, 6500 HB  
Nijmegen, Netherlands

SOURCE: Journal of inherited metabolic disease, (1993), 16(3),  
517-519, 5 refs.

ISSN: 0141-8955 CODEN: JIMDDP

DOCUMENT TYPE: Journal; Short communication

BIBLIOGRAPHIC LEVEL: Analytic

COUNTRY: Netherlands

LANGUAGE: English

AVAILABILITY: INIST-18251, 354000034558480060

AN 1993-0553479 PASCAL <<LOGINID::20070309>>

AB A \*\*\*reduced\*\*\* availability of methyl groups within the central nervous system can cause demyelination of the brain (Surtees et al 1991). Cobalamin is the essential cofactor for homocysteine 5-methyltetrahydrofolate \*\*\*methyltransferase\*\*\* and \*\*\*methylmalonyl\*\*\* - \*\*\*CoA\*\*\* \*\*\*mutase\*\*\*. Consequently, cobalamin deficiency results in elevation of homocysteine and methylmalonic acid (Stabler et al 1988). Monitoring of the concentrations of homocysteine and methylmalonic acid in CSF may be applied for examining the cobalamin status of the brain. Normal methylmalonic acid CSF concentrations have been established by Stabler et al (1991). To our knowledge normal homocysteine CSF values are not published

=> d his

L1 QUE ((METHYLMALONYL-COA (W) MUTASE) OR (METHYLMALONYL (W) CARBO

FILE 'CAPLUS, SCISEARCH, MEDLINE, BIOSIS, EMBASE, PASCAL, EMBASE, USPATFULL, TOXCENTER, BIOTECHNO, LIFESCI' ENTERED AT 11:12:23 ON 09 MAR 2007

L2 2824 S L1

L3 516 S (INHIBIT? OR REDUC? OR DECREAS? OR ALTER?) (S) L2

L4 36 S (COBAB OR COBA OR METHYLTRANSFERASE)(S) L3

L5 2 S (COMPOUND OR AGENT OR IMMUNOSUPPRESSANT OR ANTIFUNGAL OR ANTI

L6 2 S (B12 OR COBALAMINE) (S) L4

L7 17 S (B12 OR COBALAMINE) AND L4

L8      14 DUP REM L7 (3 DUPLICATES REMOVED)

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